



Business Energy Analyzer Presentation

November 5, 2005



Business Analyzer Background

- Developed by Nexus Energy Software
 - Available (Since 2001)
 - Online
 - Mail-in/CD-ROM
 - Phone
- Basic features consistent statewide for PY 2004-2005



Basic Features of Tool

- Profiles for 18 facility types customized through responses to detailed questionnaire.
- Helps small/medium sized business customers through 3-step process:
 - Understand their energy usage (respond to detailed questionnaire);
 - Identify ways to save energy (no-cost/ low-cost and retrofit options);
 - Take action (provides current programs available to promote energy management and rebates).
- Benchmarks customer's business relative to similar businesses with the same basic characteristics.

Customer Input

Facility Basics

Facility Type: *

Size (Sq. Ft.): *

ZIP Code: *

Your e-mail address will be your log-in key for continuing your analysis in any return visits. **Include your email address here and you will be eligible for the no-cost SDG&E CFL Exchange.**

E-Mail Address: *

Periodically inform me of services that are relevant to my business.

☐ Yes ☒ No

Do you own or rent this property? ☐ Own ☐ Rent

Please review and update the following to better match your business...

Number of floors? *

Age of building? *

Please tell us about your energy bill: *

	Don't Have / Don't Pay	Electric	Gas	Propane	Oil
<u>Heating (primary):</u> *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<u>Heating (secondary):</u> *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<u>Cooling (primary):</u> *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
<u>Cooling (secondary):</u> *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
<u>Water Heating:</u> *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<u>Refrigeration:</u> *	<input type="radio"/>	<input type="radio"/>			
<u>Cooking:</u> *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
<u>Laundry:</u> *	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	
<u>Interior Lighting:</u> *	<input type="radio"/>	<input type="radio"/>			
<u>Exterior Lighting:</u> *	<input type="radio"/>	<input type="radio"/>			

Benchmarking

Benchmark Similar Facilities



My Business

Know where you stand. Get Competitive.

We've positioned your current energy use on our benchmark scale, developed from a national survey of similar facilities.

We've made adjustments for weather conditions, facility size, fuel utilization, and other basic characteristics that you told us about your business. Every business is different, but we've tried to *level the playing field* to help gauge how you "stack up" against the competition.

How My Energy Compares

[More Info](#)

Annual Energy Cost



☒ Total ☐ Electricity ☐ Gas

Annual Fuel Costs

Fuel	Annual Expense	Annual Use	Units	Avg. Price
Electricity	\$18,554.00	123,693	kWh	\$0.15
Gas	\$287.00	586	therms	\$0.49

Use these performance benchmarks to assess: **how much** energy improvement is *reasonable*, and (if your business uses multiple fuels) **which energy sources** likely harbor "room for improvement".



Sempra Energy utilities

Recommendations

Ways to save



Explore these energy-saving opportunities and their benefits to your business.

My Business



View Chart

Current energy estimate

[? Need help?](#)

Quickest Payback

Greatest Savings

Rebates

These are initial results, based upon the initial set of questions that you've answered about your business. To learn more about an energy management opportunity, *click* on its title in the table below.

Add to My PLAN	Savings Opportunity	Estimated Annual Savings	Features
<input type="checkbox"/>	REFRIGERATION <i>Engine-driven with Natural Gas</i>	\$6,800-\$10,100	Gas Tech
<input type="checkbox"/>	REFRIGERATION <i>Improve Efficiency with Desiccant Dehumidification</i>	\$1,700-\$2,600	Gas Tech
<input type="checkbox"/>	COOLING <i>Natural Gas-powered Engine-driven Cooling</i>	\$1,600-\$2,500	Gas Tech
<input type="checkbox"/>	COOLING <i>Gas-powered Absorption Cooling</i>	\$1,500-\$2,300	Gas Tech
<input type="checkbox"/>	REFRIGERATION <i>Energy-efficient Motors for Display Cases</i>	\$900-\$1,300	Rebates

[view more](#)

Detailed Analysis offers a more in-depth look at energy use and savings. ... **Continue** to refine your energy management strategy.

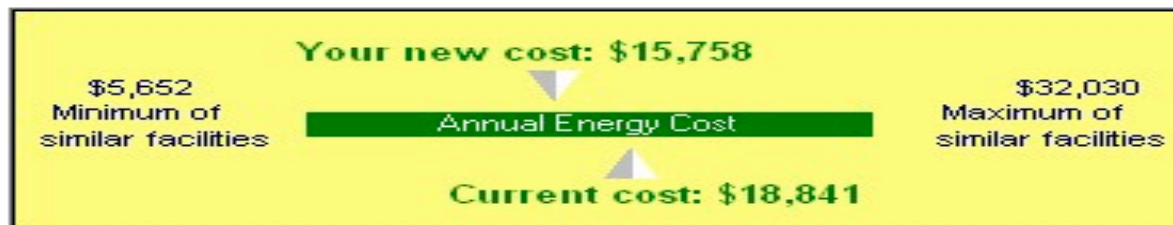
DETAILED ANALYSIS



Sempra Energy utilities



Customized Report



Congratulations! You can save about \$851 by incorporating these efficiencies in your business.

Currently, your PLAN includes projects with an estimated total savings of **\$3,083**.

What can I do with a Summary Report?...

SDG&E would like to help you put it to work - to benefit your business!

This report is a summary, based upon the information that you have shared with us about your business. The Summary Report features "Top 10" tables, below. The tables list the most promising efficiency measures that we have been able to identify for your facility via this *automated, on-line* energy audit. As you complete more sections of the detailed analysis or update your information, we can automatically update your Summary Report with new recommendations and new savings estimates.

Consider printing out a copy of this Summary Report. Use it as a reminder of the opportunities to profit from energy efficiency. Use it, as a checklist for work implementation. Do not stop here! USE IT - to improve your business.

Schedule an on-site energy analysis of your facility.

Call 1-800-411-SDGE (7343). Or, e-mail your request to enewell@semprautilities.com.

Rebate Offer

[Back](#)

REFRIGERATION

Energy-efficient Motors for Display Cases

Display cases typically use conventional, low-efficiency, shaded pole motors. When shopping for new units, look for display cases with energy-efficient motors, such as split capacitor or electronically commutated motors. Savings from improved motor efficiency can be on order of 10%-30%.

Is this energy-saving opportunity right for me? If you do not have plans to replace the whole display case anytime soon, consider replacing the current motor with more energy-efficient ones. Since display cases operate 24-hours a day, your energy savings can be substantial. The cost indicated for this measure reflects the marginal cost of a split capacitor motor when you purchase a new display case.

My Business

Your Potential Savings

Annual Savings (\$):	\$900-\$1,300
Annual Savings (%):	5% - 7%
Cost Range:	\$1,100-\$1,600

Project Assistance

Plan ahead. Be sure to have an equipment replacement plan in place to upgrade motors or replace complete refrigeration units. Consider replacement prior to equipment failure. Contact your refrigeration contractor or equipment manufacturer's representative to evaluate higher efficiency motor options for your equipment application.

SDG&E Express Efficiency Rebates... SDG&E offers its small business customers special cash incentives for energy efficiency measures, such as T-8 lamps and electronic ballasts. [Click here](http://www.sdge.com/business/bus_express_efficiency.shtml) to view eligible gas technologies and rebate amounts (or visit http://www.sdge.com/business/bus_express_efficiency.shtml). You may also call 1-800-411-SDGE (7343).



Advertising and Promotion

- Featured on SDG&E and local business outreach organization websites.
- Published regularly in newsletters (mail and electronic), bill inserts and email campaigns.
- Promoted at seminars and training classes.
- Advertised in local business newspapers and trade journals.



Customer Participation

- PY 2004/2005 participation by audit type:
 - Online – 456
 - Mail-in – 2,193
 - CD-ROM – 669
 - Phone – 3,415



Contact Information

- Neil Sybert – (858) 636-5795, or NSybert@semprautilities.com
- SDG&E Small Business Energy Analyzer,
<http://www.sdge.com/business/analyzer.html>